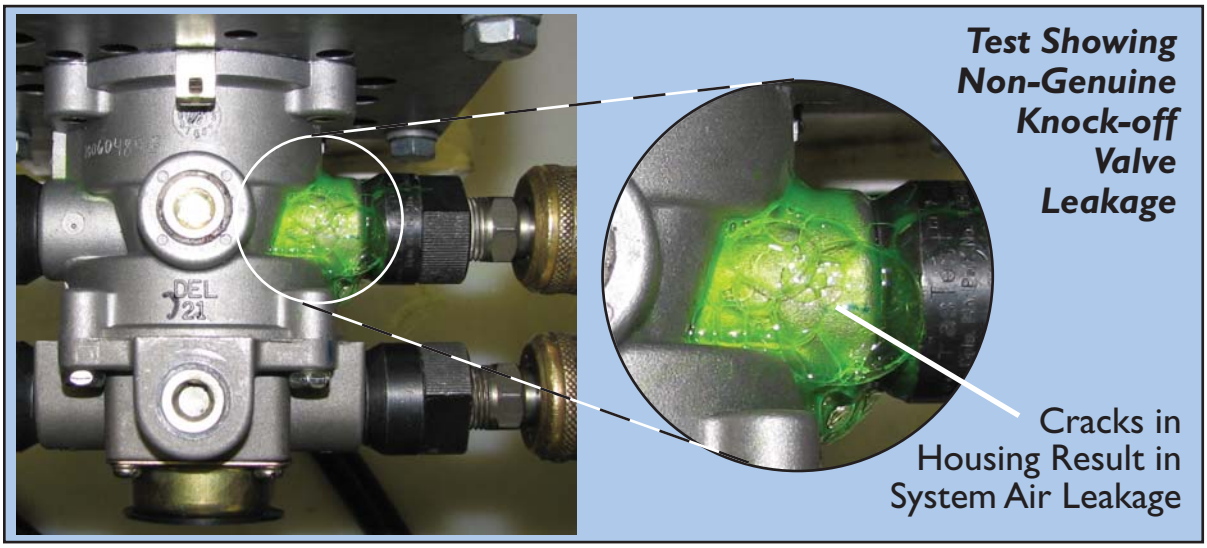
Genuine Bendix Valves

Tests show that some knock-off valves may be potentially hazardous or inferior to genuine Bendix parts

Comprehensive testing by Bendix Commercial Vehicle Systems continues to show that some knock-off brake valves not only fall short of Bendix specifications, but can lead to safety hazards through inferior production quality. The following is an example of a recent test on a knock-off valve product purchased off the shelf compared to the Bendix® E-6™ brake valve:



After thousands of hours of testing the knock-off and the Bendix brake valve in identical conditions, the results are in.

Test Category	The Results	The Potential Impact To Your Vehicle
Safety	*Pressure differential at double the allowable OEM spec*	Too high of a pressure differential can cause the primary circuit to open long before the secondary circuit, causing longer stopping distances, and accelerated wear of other critical brake components (friction material, drums, seals).
Feel	*Inconsistent and poor quality graduating springs*	Inconsistent spring tension means the driver loses the ability to lightly apply the brakes. The valve acts more like an instant on-off switch instead of providing the expected gradual braking capability.
Durability	*Valve bodies cracked before the test was complete*	Weak or thin body castings not only cause internal component misalignment, but also make the valve more susceptible to cracking or may even result in a complete valve rupture.
Machined Surface Finish	*Machined surface finish did not meet OEM specifications when the tested product was new out of the box*	Significantly reduced component life, decreased durability and loss of valve function. Rough surfaces will cause O-rings to wear and may cause premature air leaks.
Corrosion Protection	*No corrosion protection material was found on outer castings. Material used on internal components failed 50% sooner than OEM protective coatings*	Untreated and uncoated exterior and interior surfaces mean premature corrosion along with sharply decreased durability, greater susceptibility to cracking and possible brake valve failure.
O-Ring Quality	*7 out of 8 O-rings in the valve were 50% stiffer than Bendix specifications allow*	Hard or stiff O-rings may lead to premature wear, and may result in air leaks, shorter component life, and substantially poorer performance.

Your air brake system is not the place to cut corners. Inferior design or materials can, and frequently do, affect the performance, durability and long-term reliability of your braking system. Protect your vehicle by using only genuine Bendix® parts. Talk to your Bendix Account Manager, call 1-800-AIR-BRAKE, (1-800-247-2725) or visit www.bendix.com today.

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